

Software Requirement

Recitation 5, CMU 17-313, Fall 2021

Pair up.

Goal: During this recitation, student will:

1. Identify key stakeholders
2. Identify and prioritize quality (non-functional) and functional requirements

Context: For this recitation, we are going to work on a new ATM security feature for PNC Bank. The customer wants to use the existing security cameras in the ATMs to automatically detect suspicious activity and take appropriate action. For example, the ATM should limit withdraw amounts if a customer is not recognized or call the security guard and/or authorities if someone is attempting to steal from the machine. The important questions to ask in this task are:

1. Who are the stakeholders of the project? Who would be impacted by the new feature?
2. What are the important quality (non-functional) and functional requirements?

Part 1: Initial high-level requirements (15 min.)

Who are the key stakeholders of the new feature?

At a high level, what are the primary functional requirements for the new feature? What are the important quality (non-functional) requirements? What is their priority?

Part 2: Non-functional requirements (10 min.)

Choose one non-functional requirement. What are the concrete steps that your group will take to make sure that you have satisfied requirement?

Your group will describe these steps in class. Think about presenting this information to the client. You need to describe how the client will measure the requirement, and when the requirement is satisfied.